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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/085,883	02/27/2002	Kari-Pekka Wilska	297-005893-US (C02)	1197

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PERMAN & GREEN
425 POST ROAD
FAIRFIELD, CT 06824

EXAMINER

DOAN, PHUOC HUU

ART UNIT	PAPER NUMBER
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2684

DATE MAILED: 06/18/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/085,883

Applicant(s)

WILSKA ET AL.

Examiner

Phuoc H Doan

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 10-26 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s)- ____ is/are allowed.
- 6) ☒ Claim(s) 10, 11 and 13-26 is/are rejected.
- 7) ☒ Claim(s) 12 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 10-11, and 13-26 are rejected under 35 U.S.C. 102(b) as being anticipated by Parulski (US 5,475,441).

As to claim 10, Parulski teaches that a circuit card 24 (Fig. 2A), which can be fitted to a card slot 12 (Fig.1) device for personal communication 10 (Fig. 2), data collection, and data processing, and comprising: optics built in said circuit card for obtaining image information 24 (Fig. 2), (col. 4, lines 65-67, and col. 5, lines 1-10); an image sensor in said circuit card for obtaining image information (col. 5, lines 40-44); an image processing unit in said circuit card (col. 5, lines 53-67); a memory unit in said image processing unit for storing obtained image information (col. 5, lines 55-60); and a processor unit in said image processing unit for processing obtained image information (col. 5, lines 45-67).

As to claim 11, Parulski teaches that wherein said memory unit comprises at least volatile and non-volatile memory. See (col. 6, lines 1-8).

As to claim 13, Parulski teaches that wherein said image sensor is a semiconductor camera (col. 5, lines 27-29).

As to claim 14, Parulski teaches that further adapted to fit into a card slot of a device for personal communication, data collection and data processing that is a PCMCIA compatible card slot (col. 6, lines 53-58).

As to claim 15, Parulski teaches that wherein said circuit card has physical dimensions corresponding substantially with those of a standard PCMCIA circuit card (col. 4, lines 63-67, and col. 5, lines 1-7).

As to claim 16, Parulski teaches that further comprising means for performing a character recognition task on image information obtained by said image sensor for generation a set of recognized characters (col. 5, lines 7-10, and lines 58-60).

As to claim 17, Parulski teaches that wherein said means for performing a character recognition task comprises a software program stored in the memory unit of the circuit card (col. 5, lines 58-60).

As to claim 18, Parulski teaches that further comprising means for performing a pattern recognition task on a graphical object in said image information obtained by said image sensor (col. 6, lines 30-52).

As to claim 19, Parulski teaches that wherein said means for performing a pattern recognition task comprises a software program stored in the memory unit of the circuit card (col. 5, lines 7-10).

As to claim 20, Parulski teaches that further comprising an output coupled to said image processing means for outputting image information obtained by said image sensor to said device for personal communication, data collection, and data processing (col. 6, lines 46-52).

As to claim 21, Parulski teaches that a circuit card 24 (Fig. 2A), which can be fitted to a card slot 12 (Fig. 1) of a device for personal communication 10 (Fig. 2), data collection, and data processing, comprising: optical means, in said circuit card, for obtaining image information 24 (Fig. 2), (col. 4, lines 65-57, and col. 5, lines 1-10); image sensor means, in said circuit card, for obtaining image information from said optical means (col. 5, lines 40-44); and an image processing unit, in said circuit card, comprising: memory means for storing image information obtained by said image sensor means (col. 5, lines 55-60); and processor means for processing image information obtained by said image sensor means (col. 5, lines 40-65).

As to claim 22, Parulski teaches that further comprising character recognition means for performing a character recognition task on image information obtained by

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said image sensor means and generating a set of recognized characters (col. 5, lines 7-10, and lines 58-60).

As to claim 23, Parulski teaches that wherein said character recognition means comprises a software program stored in said memory means (col. 5, lines 58-60).

As to claim 24, Parulski teaches that further comprising pattern recognition means for performing a pattern recognition task on graphical information in said image information obtained by said image sensor (col. 6, lines 30-52).

As to claim 25, Parulski teaches that wherein said pattern recognition means comprises a software program stored in said memory means (col. 5, lines 7-10).

As to claim 26, Parulski teaches that further comprising an output coupled to said image processing unit for outputting image information obtained by said image sensor means to said device for personal communication, data collection, and data processing (col. 6, lines 46-52).

Allowable Subject Matter

2. Claim 12 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

As to claim 12, the prior art of record does not teach that a circuit card according to claim 10, further comprising a power supply for providing power to maintain said obtained image information in said memory unit.

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuoc H Doan whose telephone number is 703-305-6311. The examiner can normally be reached on 9:30-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Maung A Nay can be reached on 703-308-7745. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PHUOC DOAN
06/07/04


NAY MAUNG
SUPERVISORY PATENT EXAMINER

